IEEE 802 Mar 2021
Electronic Plenary

IEEE 802.3 Ethernet WG
Closing Plenary
18 Mar 2021

IEEE 802.3
Beyond 400 Gb/s Ethernet SG
Closing Report
IEEE P802.3 B400G Study Group Project information

- **Study Group Organization**
  - John D’Ambrosia, Study Group Chair
  - Tom Issenhuth, Study Group Recording Secretary

- **Task force web and reflector information**
  - Reflector information: [https://www.ieee802.org/3/B400G/reflector.html](https://www.ieee802.org/3/B400G/reflector.html)
This Week

- **Presentations**
  - BER objective for Beyond 400GbE, Xinyuan Wang
  - Considerations on 100m objectives for B400G, Peter Stassar
  - Proposed Objectives for Parallel PMDs, Robert Lingle
  - OTN support for Beyond 400 Gb/s Ethernet, Steve Trowbridge
  - Discussion / Straw polls (Time permitting)

- **Strawpoll**

  - **For the following proposed objective, I would support the following** –
    Support a BER of better than or equal to _____ at the MAC/PLS service interface (or the frame loss ratio equivalent)

<table>
<thead>
<tr>
<th>Option</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) 10^-13</td>
<td>21</td>
</tr>
<tr>
<td>b) 10^-14</td>
<td>24</td>
</tr>
<tr>
<td>c) 10^-15</td>
<td>5</td>
</tr>
<tr>
<td>d) Better than 10^-15</td>
<td>0</td>
</tr>
<tr>
<td>e) Need more information</td>
<td>50</td>
</tr>
<tr>
<td>f) Abstain</td>
<td>16</td>
</tr>
</tbody>
</table>
Remaining Mar 2021 Session Presentations

3/22/21 Presentations
a) Appropriate 5 Criteria, Chris Cole
b) 800GbE Optics Options, Scott Schube
c) PMA lane versus PCS frame FEC and the resulting impact on guaranteeing performance at transceiver module / host PCB interface, Jim Theodoras
d) Evolutionary path to B400G PMDs, Ali Ghiasi
e) 224G PAM Signaling, Louis (Yuchun) Lu
f) Discussion / Straw polls (Time permitting)

3/29/21 Presentations
a) On the Technical Feasibility of 200G/Lane Chip-to-Module, Ilya Lyubomirsky
b) 200G per Lane for beyond 400GbE, Cedric Lam
c) Optical PMD Considerations for 200G Lanes, Vipul Bhatt
d) Feasibility of 200 Gb/s per lane electrical interfaces, Adam Healey
e) Discussion / Straw polls (Time permitting)
Future Sessions (Previously Announced)

- **April 2021 Session**
  - Meeting #1 – Apr 1, 2021 – 10am to 1pm ET
  - Meeting #2 - Apr 5, 2021 – 10am to 1pm ET
  - Agenda of meeting will be straw polls / motions, based on March 21 Session

- **May 2021 Session**
  - To be planned based on presentation requests
  - Confirmed Date – May 17 (10am to 1pm ET)
  - Other candidate dates for sessions– Apr 26, May 3, May 24 (10am to 1pm ET)

- **Presentation Requests May 2021 Session**
  - Apr 14, 2021 AoE

- **Presentation Submissions** – 72 hours prior to start of assigned meeting
WG Motion

Move that the IEEE 802.3 Working Group request the re-chartering of the "IEEE 802.3 Beyond 400 Gb/s Ethernet" Study Group.

- Moved: John D'Ambrosia
- Second: Tom Issenhuth
- > 50%
- Results